

PCT REQUEST

Original (for SUBMISSION)

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.150)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	United States Patent and Trademark Office (USPTO) (RO/US)
0-7	Applicant's or agent's file reference	PR60211WO
I	Title of Invention	HETEROCYCLIC MCHR1 ANTAGONISTS
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
II-4	Name:	SMITHKLINE BEECHAM CORPORATION
II-5	Address:	One Franklin Plaza Philadelphia, Pennsylvania 19101 United States of America
II-6	State of nationality	US
II-7	State of residence	US
II-8	Telephone No.	919-483-2370
II-9	Facsimile No.	919-483-7988

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III-1	Applicant and/or inventor	
III-1-1	This person is:	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	BARVIAN, Kevin, K
III-1-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, North Carolina 27709 United States of America
III-1-6	State of nationality	US
III-1-7	State of residence	US
III-2	Applicant and/or inventor	
III-2-1	This person is:	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	CARPENTER, Andrew, J
III-2-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, North Carolina 27709 United States of America
III-2-6	State of nationality	US
III-2-7	State of residence	US
III-3	Applicant and/or inventor	
III-3-1	This person is:	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	COOPER, Joel, P
III-3-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, North Carolina 27709 United States of America
III-3-6	State of nationality	US
III-3-7	State of residence	US

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III-4	Applicant and/or inventor	
III-4-1	This person is:	applicant and inventor
III-4-2	Applicant for	US only
III-4-4	Name (LAST, First)	FELDMAN, Paul, L
III-4-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, North Carolina 27709
III-4-6	State of nationality	United States of America
III-4-7	State of residence	US
III-5	Applicant and/or inventor	
III-5-1	This person is:	applicant and inventor
III-5-2	Applicant for	US only
III-5-4	Name (LAST, First)	GUO, Yu, C
III-5-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, North Carolina 27709
III-5-6	State of nationality	United States of America
III-5-7	State of residence	CN
III-6	Applicant and/or inventor	
III-6-1	This person is:	applicant and inventor
III-6-2	Applicant for	US only
III-6-4	Name (LAST, First)	HANDLON, Anthony, L
III-6-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, North Carolina 27709
III-6-6	State of nationality	United States of America
III-6-7	State of residence	US

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III-7	Applicant and/or inventor	
III-7-1	This person is:	applicant and inventor
III-7-2	Applicant for	US only
III-7-4	Name (LAST, First)	HERTZOG, Donlad, L
III-7-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, North Carolina 27709
III-7-6	State of nationality	United States of America
III-7-7	State of residence	US
III-8	Applicant and/or inventor	
III-8-1	This person is:	applicant and inventor
III-8-2	Applicant for	US only
III-8-4	Name (LAST, First)	HYMAN, Clifton, E
III-8-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, North Carolina 27709
III-8-6	State of nationality	United States of America
III-8-7	State of residence	US
III-9	Applicant and/or inventor	
III-9-1	This person is:	applicant and inventor
III-9-2	Applicant for	US only
III-9-4	Name (LAST, First)	PEAT, Andrew, J
III-9-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, North Carolina 27709
III-9-6	State of nationality	United States of America
III-9-7	State of residence	US

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III-10	Applicant and/or inventor	
III-10-1	This person is:	applicant and inventor
III-10-2	Applicant for	US only
III-10-4	Name (LAST, First)	PECKHAM, Gregory, M
III-10-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, NC 27709 United States of America
III-10-6	State of nationality	US
III-10-7	State of residence	US
III-11	Applicant and/or inventor	
III-11-1	This person is:	applicant and inventor
III-11-2	Applicant for	US only
III-11-4	Name (LAST, First)	SPEAKE, Jason, D
III-11-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, North Carolina 27709 United States of America
III-11-6	State of nationality	US
III-11-7	State of residence	US
III-12	Applicant and/or inventor	
III-12-1	This person is:	applicant and inventor
III-12-2	Applicant for	US only
III-12-4	Name (LAST, First)	SWAIN, William, R
III-12-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, North Carolina 27709 United States of America
III-12-6	State of nationality	US
III-12-7	State of residence	US

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III-13	Applicant and/or inventor	
III-13-1	This person is:	applicant and inventor
III-13-2	Applicant for	US only
III-13-4	Name (LAST, First)	TAVARES, Franics, X
III-13-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, North Carolina 27709 United States of America
III-13-6	State of nationality	US
III-13-7	State of residence	US
III-14	Applicant and/or inventor	
III-14-1	This person is:	applicant and inventor
III-14-2	Applicant for	US only
III-14-4	Name (LAST, First)	ZHOU, Huiqiang
III-14-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, North Carolina 27709 United States of America
III-14-6	State of nationality	CN
III-14-7	State of residence	US
IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	LEVY, David, J
IV-1-2	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, North Carolina 27709 United States of America
IV-1-3	Telephone No.	919-483-2370
IV-1-4	Facsimile No.	919-483-7988
IV-2	Additional agent(s)	additional agent(s) with same address as first named agent
IV-2-1	Name(s)	DEPPENBROCK, Bonnie, L

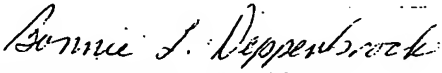
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V	DESIGNATIONS		
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.		
VI-1	Priority claim of earlier national application		
VI-1-1	Filing date	11 April 2003 (11.04.2003)	
VI-1-2	Number	60/462,292	
VI-1-3	Country	US	
VI-2	Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1	
VII-1	International Searching Authority Chosen	European Patent Office (EPO) (ISA/EP)	
VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	8	-
IX-2	Description	217	-
IX-3	Claims	13	-
IX-4	Abstract	1	✓
IX-5	Drawings	0	-
IX-7	TOTAL	239	

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	Accompanying Items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	
IX-11	Copy of general power of attorney	reference no. SB Corp	
IX-12	Statement explaining lack of signature	✓	
IX-17	PCT-SAFE physical media		✓
IX-18	other:	POA authorizing D. Levy signature for SB Corp	
IX-19	Figure of the drawings which should accompany the abstract		
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative	 DEPPENBROCK, Bonnie, L	
X-1-1	Name:		
X-1-2	Name of signatory		
X-1-3	Capacity		

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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

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11-1	Date of receipt of the record copy by the International Bureau	
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PCT (ANNEX - FEE CALCULATION SHEET)

Original (for SUBMISSION)

(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only		
0-1	International Application No.		
0-2	Date stamp of the receiving Office		
0-4	Form PCT/RO/101 (Annex)		
0-4-1	PCT Fee Calculation Sheet Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.150)	
0-9	Applicant's or agent's file reference		PR60211WO
2	Applicant		SMITHKLINE BEECHAM CORPORATION
12	Calculation of prescribed fees	fee amount/multiplier	Total amounts (USD)
12-1	Transmittal fee T	⇒	300
12-2-1	Search fee S	⇒	1818
12-2-2	International search to be carried out by	EP	
12-3	International filing fee (first 30 sheets) i1	1035	
12-4	Remaining sheets	209	
12-5	Additional amount (X)	11	
12-6	Total additional amount i2	2299	
12-7	i1 + i2 = i	3334	
12-12	EASY Filing reduction R	-74	
12-13	Total International filing fee (i-R) I	⇒	3260
12-14	Fee for priority document		
	Number of priority documents requested	1	
12-15	Fee per document (X)	20	
12-16	Total priority document fee: P	⇒	20
12-17	TOTAL FEES PAYABLE (T+S+I+P)	⇒	5398
12-19	Mode of payment	authorization to charge deposit account	
12-20	Deposit account instructions		
	The receiving Office	United States Patent and Trademark Office (USPTO) (RO/US)	
12-20-1	Authorization to charge the total fees indicated above.	✓	
12-20-2	Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	✓	
12-20-3	Authorization to charge the fee for priority document.	✓	
12-21	Deposit account No.	07-1392	
12-22	Date	06 April 2004 (06.04.2004)	
12-23	Name and signature	DEPPENBROCK, Bonnie, L <i>Bonnie L. Deppenbrock</i>	